

Datasheet for ABIN7425998
anti-TXN antibody (AA 1-105)

3 Images

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Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | TXN |
| Binding Specificity: | AA 1-105 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This TXN antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

Product Details

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|-------------------|---|
| Purpose: | Monoclonal Antibody to Thioredoxin (Trx) |
| Immunogen: | Recombinant Thioredoxin (Trx) corresponding to Met1~Val105 with N-terminal His Tag |
| Clone: | 3# |
| Isotype: | IgG2a kappa |
| Specificity: | The antibody is a mouse monoclonal antibody raised against Trx. It has been selected for its ability to recognize Trx in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Mouse, Rat |
| Purification: | Protein A + Protein G affinity chromatography |

Target Details

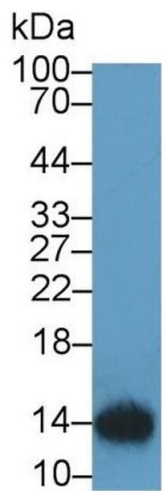
| | |
|-------------------|--|
| Target: | TXN |
| Alternative Name: | Thioredoxin (TXN Products) |
| Background: | TXN, ADF, SASP, TRDX, TRX1, ATL-derived factor, Surface-associated sulphhydryl protein |
| Pathways: | Carbohydrate Homeostasis , Cell RedoxHomeostasis |

Application Details

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|--------------------|---|
| Application Notes: | Western blotting: 0.5-5 µg/mL Immunocytochemistry in formalin fixed cells: 5-30 µg/mL Immunohistochemistry in formalin fixed frozen section: 5-30 µg/mL Immunohistochemistry in paraffin section: 5-30 µg/mL Enzyme-linked Immunosorbent Assay: 0.05-2 µg/mL Optimal working dilutions must be determined by end user. |
| Comment: | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions: | For Research Use only |

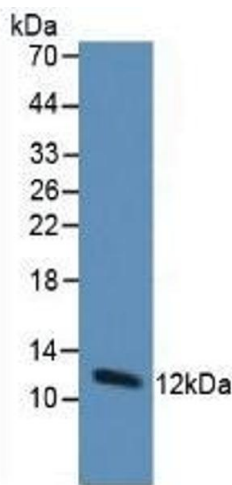
Handling

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|--------------------|---|
| Format: | Liquid |
| Buffer: | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date: | 24 months |



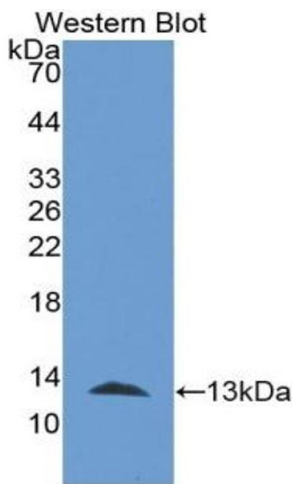
Western Blotting

Image 1. Detection of Trx in HeLa cell lysate using Monoclonal Antibody to Thioredoxin (Trx)



Western Blotting

Image 2. Detection of Trx in Human Hepg2 Cells using Monoclonal Antibody to Thioredoxin (Trx)



Western Blotting

Image 3. Detection of Recombinant Trx, Human using Monoclonal Antibody to Thioredoxin (Trx)